

19980408.qrp v01_n054.qrs.980408

Date: Wed, 8 Apr 1998 19:03:51 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1054

QRP-L Digest 1054

Topics covered in this issue include:

- 1) [7763] Re: MO-OK-KS QRPTTF Invitation
by Paul Harden <pharden@aoc.nrao.edu>
- 2) [7764] QRPTTF: Latest Hit List 4/7/98
by Joe Gervais <vole@primenet.com>
- 3) [7765] Re: 40673
by Brien Pepperdine <pepperb@govonca.gov.on.ca>
- 4) [7766] Re: MO-OK-KS QRPTTF Invitation
by Mike - W0TMW <crucis@sky.net>
- 5) [7767] Re: TMPS ?
by kq0i@juno.com (Mark R Milburn)
- 6) [7768] First Contacts
by "Tim, KD5CKP" <kd5ckp@bellsouth.net>
- 7) [7769] morse-kybd
by dave_epps@juno.com
- 8) [7770] RE: New Product Announcement: PC-VF0jr
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 9) [7771] Re: Japanese web site-Super VXCO
by David Shalita <af389@lafn.org>
- 10) [7772] Another Upgrade!
by Christian Hunt <chunt@macromedia.com>
- 11) [7773] Re: Another Upgrade!
by Kory Hamzeh <kory@avatar.com>
- 12) [7774] Re: My circuits never seem to work for some reason...
by lynn simons <lsimons1@ix.netcom.com>
- 13) [7775] NorCal meeting
by sigcom@juno.com (Stephen M Smith)
- 14) [7776] Lesson learned??Schematic needed
by ka7you@juno.com
- 15) [7777] Re: 40673
by Leon Heller <leon@lfheller.demon.co.uk>
- 16) [7778] Centennial 75 wanted (built)
by W7LS <w7ls@blarg.net>
- 17) [7779] Re: LED keyer is a go!
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 18) [7780] RE: New Product Announcement: PC-VF0jr
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 19) [7781] Re: Lesson learned??Schematic needed

- by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 20) [7782] Re: The L antenna mobile, (or fixed)
by aa5yx@juno.com (John Harper AA5YX/2)
- 21) [7783] HW-16 What xtal types?
by Greg Weinfurtner <gweinfurt1@ohiou.edu>
- 22) [7784] Re: Thoughtful Appreciation
by "Bob Kellogg" <ae4ic@nr.infi.net>
- 23) [7785] Logs and QSLs for Knightlites CORE BANKS TRIP
by LYN <designserv@ipass.net>
- 24) [7786] 40673
by "Peter C. Wotherspoon" <Peter.C.Wotherspoon@hydro.on.ca>
- 25) [7787] A35RK DX
by gsurrency@juno.com (Gary L Surrency)
- 26) [7788] The QRP DX Train rolls on, does anyone sleep?
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 27) [7789] Re: The QRP DX Train rolls on, does anyone sleep?
by Monte Stark <ku7y@dri.edu>
- 28) [7790] KL7 to ZL2 on 30 Meters at 0800Z
by "Jim (AL7FS), Nancy, Juliann & Issei" <larsennc@alaska.net>
- 29) [7791] A35RK
by gsurrency@juno.com (Gary L Surrency)
- 30) [7792] [Fwd: Logs and QSLs for Knightlites CORE BANKS TRIP]
by LYN <designserv@ipass.net>
- 31) [7793] Spousal-unit licensing -- an aid to QRP and other hamming
by LYN <designserv@ipass.net>
- 32) [7794] RE: The QRP DX Train rolls on, does anyone sleep?
by Andreas Junge <andreas@atltech.com>
- 33) [7795] Re: 40673
by "laura halliday" <marsgal42@hotmail.com>
- 34) [7796] Information about Linear Stepper Motors
by "Juan A. Bertolin" <jbertolino@nexo.es>
- 35) [7797] RE: 40673
by Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
- 36) [7798] cheap portable ladder line
by Niel Skousen <nskousen@scientech.com>
- 37) [7799] ARCI QSO party teaming
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
- 38) [7800] Austin QRP Club Meeting 4/11
by Glen Reid <k5hgb@flash.net>
- 39) [7801] Re: pin mod?
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 40) [7802] Re: Information about Linear Stepper Motors
by Steven Weber <kd1jv@moose.ncia.net>
- 41) [7803] Re: Information about Linear Stepper Motors
by Zack Lau <zlau@arrl.org>
- 42) [7804] mail with download attached????
by RangerSF5 <RangerSF5@aol.com>
- 43) [7805] Hi power amp for 40 M

- by RangerSF5 <RangerSF5@aol.com>
- 44) [7806] Re: Information about Linear Stepper Motors
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 45) [7807] Re: morse-kybd
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 46) [7808] Unrequested atteached files
by "Dr. Kenneth Cavcey" <cavcey@boulder.nist.gov>
- 47) [7809] Re: mail with download attached????
by DENNIS MO <DENNISMO@aol.com>
- 48) [7810] RE: morse-kybd
by Conrad <radman@best.com>
- 49) [7811] Re: mail with download attached????
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 50) [7812] All about VCF files.....
by Hank Kohl K8DD <k8dd@contesting.com>
- 51) [7813] Re: mail with download attached????
by Roger Hightower <n7kt@earthlink.net>
- 52) [7814] WARC Bands -- The Best Kept Secret
by Joe Gervais <vole@primenet.com>
- 53) [7815] Vcard - Sorry!
by Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
- 54) [7816] Re: mail with download attached????
by "Ron Smith" <resmith@primenet.com>
- 55) [7817] Blew a fuse??
by RangerSF5 <RangerSF5@aol.com>
- 56) [7818] Re: mail with download attached????
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 57) [7819] Re: morse-kybd
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 58) [7820] CHEAP soldering station.....
by Walt Amos <walatk8cv@ameritech.net>
- 59) [7821] Re: pin mod?
by "Steve Hurst" <shurst@magiclink.com>

Date: Tue, 7 Apr 1998 17:05:00 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: "Joe E. Eder" <joe_eder@compuserve.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7763] Re: MO-OK-KS QRPTTF Invitation
Message-ID: <Pine.SOL.3.91.980407165643.10035A-1000000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 7 Apr 1998, Joe E. Eder wrote:

> MO-OK-KS QRPTTF Run for the Border
>
> Come one; come all. Join Dave-W0CH and Joe-KW50K in
> putting this super tri-state site on the air.

Great idea! Don't know if I've ever worked a KS in any of the QRP contests. It is one of the rare ones. I think KS lost their QRPer when Doug Hendricks moved from there to CA 20 years ago. Probably a good thing ... NorKans just doesn't sound as good as NorCal :-)

Wouldn't it be neat if we could get ALL 50 STATES ON THE AIR for QRPTTF???

Also, a recent email from Arnie Coro, C02KK, suggests that several of the Cubans are planning on participating in QRP TTF to see what the QRP contest is all about.

72, Paul NA5N

PS - This is turning into a great geography lesson ... never realized there were so many "3-corners" in the country.

Date: Tue, 7 Apr 1998 17:07:00 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [7764] QRPTTF: Latest Hit List 4/7/98
Message-ID: <199804080007.RAA21915@usr07.primenet.com>

Howdy Folks,

Paul (NA5N) wrote:

>
> Wouldn't it be neat if we could get ALL 50 STATES ON THE AIR for QRPTTF?

Well we sure are off to a good start! Here's the updated roster of QRPTTF ops. I've done my best, but there may still be a few errors here and there. Please update me when you can.

Note the new entries: Dale (KB0VCC/1) hopes to operate from the ME/NH border - great chance for you QRPers out West for 2xQRP! Also Bruce (KL7JAF) at AK/VY1, Roy (AB7CE) at MT/WY (Yellowstone Nat'l Park), and Doc (K0EVZ) at

MN/IA/SD - SD 2xQRP for you folks!

Gotta get on the air for this one! The solar flux is up, the higher bands are springing to life, the sun is gonna be shining, and alot of hard-to-get states will be activated by sharp-eared QRPers! Shoot, great way to pass the time while you dream of an Elecraft K2 being delivered to your QTH. :-)

So, without further ado, here's the latest QRPTTF Op Hit List:

States/DX Represented So Far:

AK AZ CA CO CT ID FL GA HI IA KS LA MA ME MN MO MS MT NC NH NM
NV NY OK RI SC SD TX UT WY / Cuba Mexico Canada

Need: AL AR DE IL IN KY MD MI ND NE OH OR PA TN VA VT WA WI WV

Border Ops (Many have more than one op, callsigns to follow soon!)

AZ/CO/UT/NM -- Jay (WA5WHN) and Gang (Special event callsign: N4C)
RI/MA -- Joel (WA1QVM)
RI/MA/CT -- Peter (KA1AXY) Two RI QRP Border Ops!
TX/OK -- Chuck (K5FO)
NM/TX/XE -- Paul (NA5N), Tim (K5OI)
OK/MO/KS -- Joe (KW5OK) and Dave (WOCH)
AZ/NV/UT -- Scott (K7ZEN), Bruce (N7CEE)
NC/SC/GA -- Les (K4NK)
NC/SC/GA -- Sam (AE4GX) Going to bump into Les, maybe?
ID/UT/NV -- Charlie (WA2IPZ)
MS/LA -- Tom (AC5JH)
CT/NY/MA ??? -- Zack (W1VT) C'mon Zack, you can do it! :-)
MN/IA/SD -- Doc (K0EVZ)
MT/WY -- Roy (AB7CE) Yellowstone!
AK/VY1 -- Bruce (KL7JAF) Between Chicken, AK and Yukon Territory

DX OPS

Cuba -- C02KK and others!

Other

UT -- Bob (KI0G), bordering the Ute Nation
CO -- Rick (K0SU), on the Edge of Sanity
OK -- Clif (AB5UA), border of dry land and pond water.
CA -- Bill (KD7S), activating the very rare CA. :)

HI -- Mike (AH7R), bordering every PacRim nation.
FL -- Bob (N4BP)

Cheers de AB7TT,

-Joe, vole@primenet.com, QRPTTF Contest Manager, NorCal,
AZ ScQRPions, and many other fine, furry groups.

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Tue, 7 Apr 1998 21:40:38 -0400 (EDT)
From: Brien Pepperdine <pepperb@govonca.gov.on.ca>
To: kv7g@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7765] Re: 40673
Message-ID: <Pine.OSF.3.93.980407213429.3260B-100000@govonca2.gov.on.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Page 24.21 Component Data section of the 1995 ARRL handbook lists the
40673, NTE222, ECG222 and SK3050 as 'subs'.

N dual gate mosfet, 330 mw max diss, etc. etc. (full details to whomever
really needs this typed out).

HF-UHF amp,mix, osc (depletion mode,gate protected)

I have one right here on hand for repair of a friends Heath GDO - obtained
from Electrosonic right here in The Megacity

Brien
Toronto

Date: Tue, 07 Apr 1998 20:40:14 -0600
From: Mike - W0TMW <crucis@sky.net>
To: pharden@aoc.nrao.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7766] Re: MO-OK-KS QRPTTF Invitation
Message-ID: <352AD57E.E3E5C32E@sky.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jerry Gorrell (W0CLR) and I (W0TMW) are close to Kansas (8 Miles).
Unfortunately, Jerry won't be available and I'm still building my
OHR4020. Don't know if I'll get it done on time since I only have time
to build on weekends.

Mike - W0TMW

Paul Harden wrote:

>
> On Tue, 7 Apr 1998, Joe E. Eder wrote:
> > MO-OK-KS QRPTTF Run for the Border
> >
> > Come one; come all. Join Dave-W0CH and Joe-KW50K in
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>
> Great idea! Don't know if I've ever worked a KS in any of the QRP
> contests. It is one of the rare ones. I think KS lost their QRPer
> when Doug Hendricks moved from there to CA 20 years ago. Probably a
> good thing ... NorKans just doesn't sound as good as NorCal :-)
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> the Cubans are planning on participating in QRP TTF to see what the
> QRP contest is all about.
>
> 72, Paul NA5N
>
> PS - This is turning into a great geography lesson ... never realized
> there were so many "3-corners" in the country.

--

=====
Mike Watson, W0TMW, QCWA Mbr # 28651, Chap. 35
Raymore, MO USA Grid: EM28st
<http://www.sky.net/~crucis>
E-mail: crucis@sky.net ARS# 352, QRP-L# 1489
=====

Date: Tue, 07 Apr 1998 22:09:04 EDT
From: kq0i@juno.com (Mark R Milburn)
To: grp-1@Lehigh.EDU

Subject: [7767] Re: TMPS ?

Message-ID: <19980408.020645.5327.0.KQ0I@juno.com>

On Tue, 07 Apr 1998 05:02:59 -0500 (EDT) n4js@pobox.com writes:

>

>I wonder...With the sunspots coming alive, how about a 17 and 12 meter
>study?

Yes ... yes yes!

72 mark

Mark Milburn, KQ0I@W0AK.#CIA.IA.USA.NA E-mail KQ0I@juno.com
ARRL;QRP-L #625;NORCAL #1829;ARS #139;NW QRP #418;QRP ARCI #9226

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Date: Tue, 07 Apr 1998 21:38:19 -0500
From: "Tim, KD5CKP" <kd5ckp@bellsouth.net>
To: QRP-L@Lehigh.EDU, TENTEN-L@Lehigh.EDU, kenwood@qth.net
Subject: [7768] First Contacts
Message-ID: <352AE31B.31B6@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Made my first contacts tonight on 10 Meter phone PY2KC & KP4BZ.
Now I got to get cooking on this key.

Thank you all for your assistance and a special thanks to you Bill.

73 to all

Tim


```

*****
* KD5CKP
* Tim Billingsley                      Grid# EM54bw
* QRP-L #1510                          mailto:kd5ckp@bellsouth.net
* http://personal.mem.bellsouth.net/mem/k/d/kd5ckp/Index.htm
*
*
* Bell South has informed me that they need the responses from your
* mail system administrator to conquer this Bouncing problem.
*
* Please Forward any bounced messages to
* mailto:webmaster@bellsouth.net and also back to me
* mailto:kd5ckp@bellsouth.net
*
* As an option you can go to the bottom of my page
* http://personal.mem.bellsouth.net/mem/k/d/kd5ckp/Ham.htm
* and paste your message as an entry to my guest book
* http://hobby.pagecount.com/hobby/viewgb?8941
*****

```

Saw the homebrew morse keyboard at the Norcal meeting Sunday and would like to build one, but can't find the article. I remember seeing it in the last few months. Help appreciated.
dave ab5pc fresno, ca.

Date: Tue, 07 Apr 1998 22:08:45 -0500
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: grp-l@Lehigh.EDU

Cc: Tracy@bytemark.com
Subject: [7770] RE: New Product Announcement: PC-VF0jr
Message-ID: <3.0.3.32.19980407220845.006d7c8c@mol.sun.ophth.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi folks,

i'm not volunteering (yet), but is anybody interested in taking on the role of a group-buy coordinator? 22% off is pretty good. this VFO sounds darn interesting to me. i'd be more interested in using it as a test signal generator source than as a vfo for a radio itself. with the command set available, one should be able to program in frequency sweeps or steps for evaluating filters and the like.

i know that steve weber (live free or die) is developing a stand-alone DDS (i think using the same DDS chip) that would be great for use in radios. i don't think these would necessarily be competing with each other, but would be complementary.

thanks for letting us know tracy, and thanks bytemark for releasing a product for the homebrew / technical market.

72/73,

--adam, n2brt

```
=====
Adam B. Kanis, N2BRT      QTH: Wellman, IA (Near Iowa City) EN41ck
adam-kanis@uiowa.edu     QRP ARCI : NorCal : QRP-L: G-QRP : CQC
    Straight Key : OHR-100 40m : Carolina Beam oriented N/S
** On the Web at      http://genome33.ped-gen.uiowa.edu/hamradio **
=====
```

Date: Tue, 07 Apr 1998 20:18:59 -0700
From: David Shalita <af389@lafn.org>
To: Thaire Bryant <tbry37@ici.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, Monte Stark <ku7y@dri.edu>, "Ham-Homebrew@ucsd.edu" <Ham-Homebrew@ucsd.edu>
Subject: [7771] Re: Japanese web site-Super VXC0
Message-ID: <352AECA3.54B423EA@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Thaire and group,

FOUND the site I needed and many thanks to Thaire!!!!!!!

JF10ZL is the HAM who owns the site I was looking for.
Just loaded with useful projects and very detailed
HOW_TO info also.

<http://www.intio.or.jp/jf10zl/>

Enjoy and hope it is useful to you also.

73, regards, PERFECT LEAD!!!!!!

W6MIK

> David,
> Try: www.nsknet.or.jp/~ja9mat/
> If you scroll to the bottom, he lists links to
> 5 other Japanese ham sites.

> 73 es good luck, Thaire W2APF

>

> -----

> > Subject: Japanese web site-Super VXCO

> > I am looking for a web site, put up by a Japanese HAM. Recently,

> > he was discussing a Super VF0, uses two crystals in parallel.

> >

> > His web site contained some information about other very useful

> > circuits he had experimented with including schematics and gif files.

> >

> > I lost the web link.

--

David Shalita (Dave)

af389@lafn.org

Van Nuys, CA

Date: Tue, 7 Apr 1998 21:18:55 -0700 (PDT)

From: Christian Hunt <chunt@macromedia.com>

To: qrp-1@Lehigh.EDU

Subject: [7772] Another Upgrade!

Message-ID: <Pine.SOL.3.95.980407211645.981A-100000@ns-2.macromedia.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just passed my Advanced written... and 20WPM code tests! Yay!
Unfortunately, I failed the Extra written miserably, but alas, I wasn't
studying for it and took it and the 20wpm code on a whim... But anyways,
now have an advanced ticket, and in a few weeks I'll upgrade again after I
get a chance to study the Extra questions!

And no, I'm not changing my call. :)

72/73 de KF6IHU - Christian

Date: Tue, 07 Apr 1998 20:39:39 -0600
From: Kory Hamzeh <kory@avatar.com>
To: chunt@macromedia.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [7773] Re: Another Upgrade!
Message-ID: <3.0.5.32.19980407203939.036bb7f0@ns1.avatar.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:18 PM 4/7/98 -0700, Christian Hunt wrote:

>Just passed my Advanced written... and 20WPM code tests! Yay!
>Unfortunately, I failed the Extra written miserably, but alas, I wasn't
>studying for it and took it and the 20wpm code on a whim... But anyways,
>now have an advanced ticket, and in a few weeks I'll upgrade again after I
>get a chance to study the Extra questions!

>

>And no, I'm not changing my call. :)

>

>72/73 de KF6IHU - Christian

Hi Christain,

Congrats! Don't sweat the extra written exam -- it's a lot easier than the
advanced exam. So you should have no problems passing it.

73,
Kory
AC6RN

Date: Wed, 08 Apr 1998 00:03:11 -0500
From: lynn simons <lsimons1@ix.netcom.com>
To: slee@u.washington.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7774] Re: My circuits never seem to work for some reason...
Message-ID: <352B050F.B8A7A09C@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> OK, I'm open to rebuttal now :)
> de AB7HI, Stephen Lee, Federal Way, WA
> slee@u.washington.edu

Darn, Stephen,

But that is sure one impressive explanation. Now it is going to take me a while to sit down and really understand all the info you have incorporated in that! Nice going!

One very impressed Elmer student!

73/72,

Lynn, KJ3V
Birmingham, AL

Date: Wed, 08 Apr 1998 00:39:51 EDT
From: sigcom@juno.com (Stephen M Smith)
To: qrp-l@Lehigh.EDU
Subject: [7775] NorCal meeting
Message-ID: <19980407.204006.8015.1.sigcom@juno.com>

Group,

Well, I finally had the opportunity to attend a NorCal meeting. Wow! Got to meet Chuck Adams and Jim Cates and Wayne Burdick and Mike Gipe and a whole bunch of other guys that show up here on QRP-L. Now I can attach faces to the names.

AND.....I got to see the K2, in operation! Wow, wow! What a great rig! Wayne and Eric were terrific, answering all kinds of goofy questions

with aplomb. What a terrific radio! You guys (and gals) will be amazed.

AND.....I got my FIRST QRPp! The special El Nino issue! (Thanks, Jim.)

Wow, wow, wow! Terrific! Lots of GREAT info! Steve Weber's 2N2 rig really got me fired up again to build my own design.

AND.....I got to attend the Livermore Swap (or is it a Flea Market?).

Not as crowded as TRW down here, but a great meet and I even bought some stuff and dragged it back home to Oxnard!

It was certainly well worth the 375 mile drive from SoCal. I hope we (Mike, WA6MER and I) can do it again soon.

73.....Steve, WB6TNL

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Date: Wed, 08 Apr 1998 01:35:46 EDT
From: ka7you@juno.com
To: QRP-L@Lehigh.EDU
Subject: [7776] Lesson learned??Schematic needed
Message-ID: <19980407.214747.3135.7.KA7YOU@juno.com>

I may have learned a valuable lesson tonight.

I've been having trouble with a red LED display on a 2m FM rig the last few days, and tonight I turned on the Ten-Tec 515 fo lsiten to 40 meters a bit. The dial lit up like a reading light.

I quickly turned it off and checked my power source, which is nothing more than a couple of big deep cycle batteries. 17 VOLTS!!!

The battery charge is an Astron RS-12A power supply which is also my bench supply. I have a 1 ohm 15 to 20 watt resistor in line to the batteries to keep the charging current down, and it has worked flawlessly for many years. Occasionally I use the bench supply, and when it is on, it charges the batteries.

I forgot about the batteries and the connectors got corroded, and I don't know what else yet, but the power supply regulator apparently failed. I've probably destroyed the batteries-rejects from the motorhome, and luckily I didn't do any harm to anything else, unless the output stage of the FM rig is wasted. Somebody commented that my FM signal was weaker than usual the other day, and I was going to check the

antenna and SWR when I got a dry day.

Ladies and gentlemen, check your batteries occasionally. I know better, because I work with them in my job, but I still forgot. Check the water level, and clean the terminals several times a year. I usually have to replace one or two lugs on my power cables due to corrosion, about once a year.

Does anyone have a schematic for an Astron RS-12A (or similar) power supply? I can probably figure it out, but a schematic would take the 'fun' out of it.

7 3,

Rod Johnson KA7YOU from CN97ak near Issaquah, Wa. 160M thru 1296 MHz (3456MHz still in the wings)

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 8 Apr 1998 00:01:50 +0100
From: Leon Heller <leon@lfheller.demon.co.uk>
To: G0BPS@kanga.demon.co.uk
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7777] Re: 40673
Message-ID: <S+MAZCAeBrK1EwtW@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <+m9yHDA03lK1EwIq@kanga.demon.co.uk>, Dick G0BPS
<G0BPS@kanga.demon.co.uk> writes

>
>Hi gang,
>
>A friend is looking for a source of a FET called a '40673'
>I've never heard of it, but he assures me that it is genuine.
>
>Any ideas of a source?
>
>Thanks es TTFN de ..

It was a dual-gate MOSFET made by RCA, and was *very* popular some years ago. If he's building from scratch, a BF961 should do (from Farnell). They are packaged differently.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system. See " " /diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Tue, 07 Apr 1998 23:03:39 -0700
From: W7LS <w7ls@blarg.net>
To: qrp-l@Lehigh.EDU
Subject: [7778] Centennial 75 wanted (built)
Message-ID: <352B133B.5342@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. I am looking for a Centennial rig for 75 meters. I have a brand new,
unbuilt kit, but no time. Please advise price and condition. Tnx/73 de
Jim, W7LS

Date: Wed, 08 Apr 1998 10:14:24 +0300
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: kd1jv@moose.ncia.net, QRP-L <QRP-L@Lehigh.EDU>
Subject: [7779] Re: LED keyer is a go!
Message-ID: <352B23CF.3B62@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Steven Weber wrote:

> There is no side tone built in, but it's easy enough to add one of those
> small piezo beepers from Radio Shack, if desired.

Steven et al.,

Dumb question (?): how do you know what you record without a side tone
from the keyer itself?

73, oh2zaz

--

Arjen Raateland
Finnish Environment Institute
SAS Support

phone +358 9 4030 0457

Date: Wed, 8 Apr 1998 04:53:44 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: "Adam B. Kanis" <adam-kanis@uiowa.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7780] RE: New Product Announcement: PC-VFOjr
Message-ID: <Pine.GS0.3.96.980408044648.18781D-100000@larry>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

i'd be more interested in using it as a test signal
> generator source than as a vfo for a radio itself. with the command set
> available, one should be able to program in frequency sweeps or steps for
> evaluating filters and the like.
>
> i know that steve weber (live free or die) is developing a stand-alone DDS
> (i think using the same DDS chip) that would be great for use in radios. i
> don't think these would necessarily be competing with each other, but would
> be complementary.

I agree wholeheartedly here--a wide-range RF frequency generator as a stand-alone test instrument for the bench, with all the encoding on chip inside the box would be a great addition to the bench to replace all those shaky analog RF signal generators we can afford. Test applications are unlimited with a clean output and a reasonable test-level. The new chip with output above 50 MHz seems ideal for a 160-6 meter generator at a reasonable cost. Hope it can be wall moduled for the 12 volt supply with introducing hum components. Wonder if someone will have one ready so that my 1998 Christmas stocking will be full.

-73-

LB, W4RNL

Date: Wed, 08 Apr 1998 12:18:09 +0300
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: ka7you@juno.com, QRP-L <QRP-L@Lehigh.EDU>
Subject: [7781] Re: Lesson learned??Schematic needed
Message-ID: <352B40D1.34CE@vyh.fi>

MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

ka7you@juno.com wrote:

> The battery charge is an Astron RS-12A power supply which is also my
> bench supply. I have a 1 ohm 15 to 20 watt resistor in line to the
> batteries to keep the charging current down, and it has worked flawlessly
> for many years. Occasionally I use the bench supply, and when it is on,
> it charges the batteries.
> I forgot about the batteries and the connectors got corroded, and I
> don't know what else yet, but the power supply regulator apparently
> failed. I've probably destroyed the batteries-rejects from the

A colleague of mine destroyed two Hummingbird depth sounders in succession on his boat in the above fashion. Corroded or loose terminals on the battery resulted in the charger dynamo delivering high voltage to the other load. The sounders were beyond repair, but there was a little on the positive side, too. I got a load of SMD parts off them to experiment with ;-)

An in-line fuse and a 15 V power zener on the power connector of the rig might help.

73, oh2zaz

--

Arjen Raateland
Finnish Environment Institute
SAS Support
phone +358 9 4030 0457

Date: Wed, 08 Apr 1998 05:42:22 EDT
From: aa5yx@juno.com (John Harper AA5YX/2)
To: qrp-1@Lehigh.EDU
Subject: [7782] Re: The L antenna mobile, (or fixed)
Message-ID: <19980408.054114.8087.1.AA5YX@juno.com>

On 7 Apr 1998 16:45:34 -0500 "rohre" <rohre@arlut.utexas.edu> writes:

>Two 8 foot whips, and the wire in between made a folded over Ell
>antenna. The
>base of one whip was fed, and the other was just insulated from the
>vehicle
>bumper.

I tried this once, but dragging 1/4 wave ground radials at 70 mph causes a lot of sparking along the pavement. This leads to massive amounts of QRN. A better choice would be a dipole suspended between the two whips.

Sorry - it's early here ;-)

John Harper AA5YX/2 (ex: KA5BBL, KI5OW, VQ9BL)
TenTec Century 21, HW-9, NorCal 40A, OHR-100A/20m, 38 Special
NJ-QRP 148
<http://home.att.net/~j..harper>

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Date: Wed, 8 Apr 1998 07:55:24 -0400
From: Greg Weinfurtner <gweinfurt1@ohiou.edu>
To: qrp-1@Lehigh.EDU
Subject: [7783] HW-16 What xtal types?
Message-ID: <[v03110702b151155becea@\[132.235.72.188\]](mailto:v03110702b151155becea@[132.235.72.188])>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Member of the local ham radio club (ACARA) has an HW-16 and he is ordering some crystals for it. He says that the crystal manufacturer needs the "crystal specs from the manual." Load capacitance, etc.

Could someone look up that info in the manual and pass it on to him? No one here has a manual. Appreciate it!

His e-mail adr is:

ab308@seorf.ohiou.edu

Thanks in advance! NS80

Date: Tue, 7 Apr 1998 16:23:41 -0400
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [7784] Re: Thoughtful Appreciation
Message-ID: <199804081429.KAA17468@mailhost.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Dennis,

*****CONGRATULATIONS!!!***** on your upgrades and thank you for your very kind words.

This list represents what's best in Ham radio. It is made of around two thousand individuals of like mind. -- but still very much individual. It represents all walks of life and economic classes. Isn't it wonderful that we can associate with each other and learn from each other while still respecting each others individual traits. Most of us recognise that change and the need to learn are important aspects of life. We are a dynamic group, and we are pleased to count you as an important member. This is real Ham radio!

Thank you fro sharing your successes with us.

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. -- Benny Hill

> From: DENNIS MO <DENNISMO@aol.com>
>
> Hi Gang -
>
> I've been a member of this list now for about 4 or 5 months and I
certainly
> have benefited from the experience and wisdom from so many of you. I was
a
> Tech +, as of last August 26th, when I joined up.

Date: Wed, 08 Apr 1998 10:31:08 -0700
From: LYN <designserv@ipass.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Cc: John Paul Keon <jpkeon@bellsouth.net>

Subject: [7785] Logs and QSLs for Knightlites CORE BANKS TRIP
Message-ID: <352BB45C.2EBEF82E@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John Paul, AB4PP, is busier than the proverbial one-armed
paper hanger and asked me to check to make certain that
the following message got to the QRP-1 reflector:

JP said:

I found all the logs for the Core Banks trip. I have them all put
together now. However, I am getting a lot of envelopes with no stamps
and a lot of cards with no SASE's. So gang, please pass the word that
this was supposed to be a SASE type operation. I am trying to figure
out how to mail all these cards without stamps and without return
addresses too.....I will get something done with them this week and
somehow contact the people who sent them without an envelope and a
stamp. I will figure out something, If I have to just send them
through the bureau....hi hi....that will take a year or two at least.
I could not do that. So we will figure something out.
72/73 de JP/AB4PP/Sir Scribe of Knightlites.....

Date: Wed, 8 Apr 1998 10:44:43 -0400 (EDT)
From: "Peter C. Wotherspoon" <Peter.C.Wotherspoon@hydro.on.ca>
To: qrp-1@Lehigh.EDU
Subject: [7786] 40673
Message-ID: <Pine.SUN.3.91.980408104258.20850B-1000000@strong.Hydro.ON.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

These have caused me problems too
My understanding is that NTE222 and ECG222 are replacements.
Does anyone know if they really are?

TNX
PEter VE3GYY

Date: Wed, 8 Apr 1998 07:50:03 -0700
From: gsurrency@juno.com (Gary L Surrency)

To: qrp-1@Lehigh.EDU
Subject: [7787] A35RK DX
Message-ID: <19980408.075004.10158.0.gsurrency@juno.com>

Listened around 10.106 last night, and heard A35RK at 579 to 599. Made a couple of calls with the HW-9 and sloper dipole that faces to the SW and nabbed him with a 559. QSL manager is 7TSQ.

The time was 10:38 MST, or 0538 UTC. 30m is staying open very late. He worked a bunch of USA hams, and then started working EU stations. I could hear the G3 and F6 stations he was working quite clearly.

He may be on again tonight, so listen out for him and other DX on 30m. I'm going to try and work him again with the 38S is he's on tonight. Last week I worked Solomon Islands and Fiji with the 38S. :-)

72 and good DX,

Gary Surrency AB7MY
S&S TAC-1(40&80m) ARK30 38S OHR100 w/KC-2 HW-9 TS-570D
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

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Date: Wed, 8 Apr 1998 12:04:23 -0400 (EDT)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: eax@w3eax.umd.edu, qrp-1 <qrp-1@Lehigh.EDU>, Laurel ARC <larc-1@webtrek.com>, anielsen@squid.umd.edu, tmurphy@itsc.org
Subject: [7788] The QRP DX Train rolls on, does anyone sleep?
Message-ID: <Pine.LNX.3.95.980408115335.10134A-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Worked a KH6 (Hawaii) on 20m at around 0130z, 3w mobile.

Heard a special event station (4X50-something) from Israel at the same time - very loud, but for everyone else, too :)

Worked a couple of UA0s (Siberia) last weekend at around 0200z.

20m is open EVERY DAY to Europe from here for most of the daylight hours.

I've been hearing VKs EVERY morning for about the past week on 20m on the ride into work.

15 has even been opening up to Europe in the late mornings/early afternoons.

I heard a Bulgarian station last night...

"condx to na not so gud now but then agn it past 1 am hi hi"

Soooo, folks, we're gonna have to start scheduling those sleep periods a little more closely, eh? I actually look forward to driving...at 40 mpg, I can do about 6 hours of operating at highway speed, and end up 400 miles fm home, heh heh.

Dayton is only 37 days away! What's the weather like there, anyway? :)

I can see a distinct lack of sleep coming over the next few years.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 82 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* <http://w3eax.umd.edu/~ham> * ARRL Life Member /Laurel ARC/UMARA *
*** 301-549-1022 h 301-982-1015 w *** 35 wpm HF mobile CW Neon ***

Date: Wed, 8 Apr 1998 08:14:08 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7789] Re: The QRP DX Train rolls on, does anyone sleep?
Message-ID: <Pine.SOL.3.96.980408080901.22041B-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Scott and all,

Don't forget 10m. There was a lot of activity yesterday after I got home from work.

Lots of PAC stations and quite a few state side.

The spots are here.... we just need to get active!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Wed, 08 Apr 1998 07:39:44 -0800
From: "Jim (AL7FS), Nancy, Juliann & Issei" <larsennc@alaska.net>
To: qrp-1@Lehigh.EDU
Subject: [7790] KL7 to ZL2 on 30 Meters at 0800Z
Message-ID: <352B9A3D.B34A5E27@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey, you folks are right! Band sounds dead? Make some noise.

Only one signal on 30 meters last night. Ah, what the heck....I called
CQ once on 10.103 and ZL2TX came right back. Nigel said, and I quote,
"u astound me....3 watts es dipole...I can't believe it."

Fun stuff, huh?

3 Watts on OHR WM-2, inverted v at 38 feet. Nigel was 150 watts and a
vertical.

73,

Jim, AL7FS

Date: Wed, 8 Apr 1998 08:21:58 -0700
From: gsurrency@juno.com (Gary L Surrency)
To: qrp-1@Lehigh.EDU
Subject: [7791] A35RK
Message-ID: <19980408.090223.10158.1.gsurrency@juno.com>

Sorry, I missed the W key in the previous DX message. A35RK's QSL mgr is:

W7TSQ

Sorry for the typo / bandwidth.....

72,

Gary Surrency AB7MY

S&S TAC-1(40&80m) ARK30 38S OHR100 w/KC-2 HW-9 TS-570D

QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

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Date: Wed, 08 Apr 1998 12:05:46 -0700

From: LYN <designserv@ipass.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [7792] [Fwd: Logs and QSLs for Knightlites CORE BANKS TRIP]

Message-ID: <352BCA8A.E323C037@ipass.net>

MIME-Version: 1.0

Content-Type: multipart/mixed; boundary="-----4FFD7E74C746F648E1D2C4E9"

This is a multi-part message in MIME format.

-----4FFD7E74C746F648E1D2C4E9

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

-----4FFD7E74C746F648E1D2C4E9

Content-Type: message/rfc822

Content-Transfer-Encoding: 7bit

Content-Disposition: inline

Message-ID: <352BCA45.C3796105@ipass.net>

Date: Wed, 08 Apr 1998 12:04:37 -0700

From: LYN <designserv@ipass.net>

Reply-To: designserv@ipass.net

X-Mailer: Mozilla 4.02 [en]C-DIAL (Win95; U)

MIME-Version: 1.0

To: Monte Stark <ku7y@dri.edu>

Subject: Re: Logs and QSLs for Knightlites CORE BANKS TRIP

References: <Pine.SOL.3.96.980408080448.22041A-1000000@vortex>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Monte Stark wrote:

> Hi Lyn,
>
> Let JP know that there is NOTHING wrong with sending cards
> without stamps or SASE's via the buro. If he can get them
> into the buro.

> When return postage isn't sent, it indicates that the sending
> station doesn't mind the wait.
>

Ron,

JP's comment was to try to keep from spoiling the appearance of
the card -- it is designed for both sides; a picture of both sides was
on
the net page for awhile -- maybe it has been taken off.

By the way, JP can still receive email -- it's just that he was having
some trouble mailing TO QRP-1 and didn't have time to troubleshoot
it, so he asked me to forward the message.

Regards,
Lyn, W4WDN

-----4FFD7E74C746F648E1D2C4E9--

Date: Wed, 08 Apr 1998 12:15:04 -0700
From: LYN <designserv@ipass.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7793] Spousal-unit licensing -- an aid to QRP and other hamming
Message-ID: <352BCCB8.EA6A6B85@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,

I've just got to let you in on something that may be helpful to those of you whose spouses are not licensed hams.

I've been trying to get my wife licensed for over 40 years without success until recently. This last RARS license class, she heard about other ladies taking the course and grudgingly agreed to take the course.

Upon taking the course, she was very pleasantly surprised to find out the extent of involvement of other females and other couples (I had promised to attend the classes with her instead of just dropping her off).

We made some more friends and our social life appears to be on an upswing. You might use this as a carrot to get your spouse involved. Today her new call popped up in the FCC database.

Thanks, RARS, and the many volunteers who support ham radio classes in other communities.

Lyn, W4WDN, and Anita, KF4WVI

Date: Wed, 8 Apr 1998 09:25:31 -0700
From: Andreas Junge <andreas@atltech.com>
To: qrp-1@Lehigh.EDU
Subject: [7794] RE: The QRP DX Train rolls on, does anyone sleep?
Message-ID: <01BD62D0.48B038F0.andreas@atltech.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Yup,

I worked ZL1DJ on 20M with 5W into W6MMA-SLV up 0 FT.

72,

Andreas, KF6NEB

Date: Wed, 08 Apr 1998 09:32:50 PDT

From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [7795] Re: 40673
Message-ID: <19980408163250.11959.qmail@hotmail.com>
Content-Type: text/plain

Dick G0BPS (G0BPS@kanga.demon.co.uk) wrote:

> A friend is looking for a source of a FET called a '40673'
> I've never heard of it, but he assures me that it is genuine.
>
> Any ideas of a source?

It's a long time since I've seen a pukka 40673. I have a bag of BF961s I bought at Les Cyclades a while back that I use as jellybean dual-gate MOSFETs. Cricklewood have such items too.

VHF tuners from dead tv sets often contain similar beasties. Look for part numbers like 3SK51.

Laura Halliday VE7LDH/7 "Laisse le vent tout emporter!"
Grid: CN88hk IOTA: NA036 - Foly/Viennet

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Date: Wed, 8 Apr 1998 18:53:38 +0200
From: "Juan A. Bertolin" <jbertolino@nexo.es>
To: "QRP - LIST ADDRESS" <qrp-1@Lehigh.EDU>
Subject: [7796] Information about Linear Stepper Motors
Message-ID: <199804081655.SAA02653@smtp.bankinter.es>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Dear friends,

Few time ago, I bought a Linear Stepper Motor from Surplus of Nebraska for controlling the remote rotation of a capacitor. The problem is that the motor has 6 wires and nobody knows, I mean S.N., the instructions to use it. The motor is powered with 12 vdc.

Anyone has any experience with Linear Stepper Motors to control capacitors

like this? How can I use it?

Thank you in beforehand.

Best Regards

Juan

=====
=====
EA5XQ, QRA:Juan, QTH:Almazora, LOC:IM99XW
FT901DM, MFJ1796,V inv. 40,80m.
HOWES (80,40,20) TX2000-DXR20 5w
G-QRP #9805 QRP-L #1461

- SETEC ASTRONOMY -
- 'Only one key is enough to open all the doors'-

When I picture a perfect reader, I always picture a
monster of courage and curiosity, also something
supple, cunning, cautious, a born adventurer and
discoverer...

-- Friedreich Nietzsche--

Date: Wed, 08 Apr 1998 10:06:01 -0700
From: Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
To: qrp-l@Lehigh.EDU
Subject: [7797] RE: 40673
Message-ID: <352BAE79.68669573@email.mot.com>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="-----26CC811F8B614D4EAB4648D3"

This is a multi-part message in MIME format.

-----26CC811F8B614D4EAB4648D3
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I once replaced the 40673 in an HW7 with a NE602. The NE602 was just a
little bit better in getting rid of AM BCSW detection than the 40673.

I removed the gate bias and DC drain connections from the circuit and
simply used the NE602 the way it is normally wired up. Worked fine.

- Dan Tayloe, N7VE, Phoenix, Az, Az ScQRPions, QRP1 # 696

>The 3N204 (as well as the MFE131) is OUT OF PRODUCTION also !!

>
>I don't know for sure, but I believe the 3N211 is also discontinued.
>Gang... anyone ??? Info ??

>Bruce KB0PZD qrp-1 # 69
>lbbbarley@feist.com

>
> You can replace it with a 3n211 or 3n204. The '204 is supposed to be
"hotter."
> I've used the '204 numerous times in replacement of the 40673 with good
> results.

>
> Hope that helps.
> Tracy, N4LGH #1453
>
> -----Original Message-----
> From: Dick G0BPS [SMTP:G0BPS@kanga.demon.co.uk]

> Subject: 40673

>

>

> Hi gang,

>

> A friend is looking for a source of a FET called a '40673'

-----26CC811F8B614D4EAB4648D3

Content-Type: text/x-vcard; charset=us-ascii; name="vcard.vcf"

Content-Transfer-Encoding: 7bit

Content-Description: Card for Dan Tayloe

Content-Disposition: attachment; filename="vcard.vcf"

begin: vcard
fn: Dan Tayloe
n: ;Dan Tayloe
email;internet: Dan_Tayloe-P26412@email.mot.com
x-mozilla-cpt: ;0
x-mozilla-html: FALSE
version: 2.1
end: vcard

-----26CC811F8B614D4EAB4648D3--

Date: Wed, 8 Apr 1998 11:23:40 -0600
From: Niel Skousen <nskousen@scientechn.com>
To: qrp-1@Lehigh.EDU
Subject: [7798] cheap portable ladder line
Message-ID: <v04003a03b15162431993@[205.180.127.136]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I've been down for a week or so after a major sinus surgery. Got my kids to install a W3EDP antenna out the window for listening and jury rigged a ladder-line feed to the ZM-1.

Made the antenna w/ 22ga teflon wire and had 15' added to each leg (30' and 100') and used the extra feet 15' as an integral 1" ladder-line feeder by using 1" pieces of tooth picks as stiffeners, held to the wire w/ clear packing tape every 8 in.

Seems to hear reasonably well, no data yet but will make a very low loss, low cost, and low weight backpack antenna to be tested later this summer. Will post performance data as it becomes available (slowly :-)

Niel

Date: Wed, 8 Apr 1998 10:34:59 -0700 (PDT)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: qrp-1@Lehigh.EDU
Subject: [7799] ARCI QSO party teaming
Message-ID: <199804081734.KAA26183@heracles.llnl.gov>

I will be running the EBCS call (AE6TT) in the ARCI QSO party this weekend and am interesting in joining in a team effort. Does anyone want to add a few points to their team score? I will be using the regular rig cranked down to 5W, so I will at least be able to hear fairly well (OmniVI is up now). Please contact me at either k7gt@qsl.net or ae6tt@qsl.net (end up the same place!!)

K7GT -> AE6TT !

Date: Wed, 08 Apr 1998 12:36:02 -0500
From: Glen Reid <k5hgb@flash.net>
To: QRP-1 List <qrp-1@Lehigh.EDU>

Subject: [7800] Austin QRP Club Meeting 4/11
Message-ID: <352BB582.E11C54A9@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The next irregular meeting of the Austin QRP Club will be at 10 AM on Saturday, April 11.

We will meet on the UT campus in the Music Recital Hall, Room 2.636.

For directions check out our impressive meeting web page below.

<http://www.flash.net/~k5hgb/aqrpmgtg.html>

Anyone interested in QRP activities is welcome.

We hope to see a big crowd.

73

gr

--

GLEN REID
K5HGB/M(Zero)BGF
Austin, Texas
...in the beautiful hill country of TEXAS...

Austin QRP Club # Pi

Email: k5hgb@flash.net

Date: Wed, 8 Apr 1998 11:03:44 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "KG2IM" <KG2IM@aol.com>
Cc: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [7801] Re: pin mod?
Message-ID: <01bd6318\$ab6108b0\$309f5ecf@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

John and QRP-Lers:

Yes, I did publish a PIN diode mod that helps to reduce NE602 overload during transmit with the 5 watt output on the NorCal 38 Special. Unfortunately, I wrote the instructions several computers ago, and have lost the file.

Is there anyone else who still has a copy of the NC38S pin diode mod that you can pass on to John? It would take me a while to recreate the info.

Thanks,

Mike K1MG

>Mike, someone on the reflector suggested to do your 38s 5 watt Pin diode mod.

>Is there such a mod? If so, where can it be found?

>

>72, 73 John KG2IM

Date: Wed, 08 Apr 1998 13:27:45
From: Steven Weber <kd1jv@moose.ncia.net>
To: jbertolino@nexo.es
Cc: qrp-l@Lehigh.EDU
Subject: [7802] Re: Information about Linear Stepper Motors
Message-ID: <3.0.3.16.19980408132745.2a170da2@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

> The problem is that the
>motor has 6 wires and nobody knows, I mean S.N., the instructions to use
>it. The motor is powered with 12 vdc.

>

Many steppers, including the one you have, use two coils with a center tap. A few minutes with an ohm meter should identify which is the common for each set of coils.

To use the stepper, connect the commons to the + supply. A driver transistor (or power fet) is connected to the remaining 4 wires.

Each coil needs to be powered in sequence. It may take some experimentation to determine the proper firing order. You got it right when

the motor turns (with reasonable torque) instead of chattering or going two steps in one direction and two steps back in the other. (or one of the other 16 possible combinations!)

To actually control the motor, there are special stepper controller chips available to use. Or, you can buy a kit. A simple way to build one is to use a 555 timer to get variable speed pulses and feed that into a 4017 decade counter chip. Use the 0, 1, 2 and 4 outputs to drive the motor and the 5 output to reset the counter back to zero. You will also need to add an OR or AND gate between the counter and motor driver transistors to disable the drive. Although, if one coil is left on all the time, it will act as a brake to hold the motor in position.

Reversing direction gets a bit more complicated, as you have to reverse the order in which the coils are energized. Hopefully your capacitor can turn the full 360 degrees and you don't have to worry about that detail.

The rest of it is a mechanical problem of making a proper gear train to get the required torque.

Hope this helps and good luck,
72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Wed, 08 Apr 1998 15:09:08 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [7803] Re: Information about Linear Stepper Motors
Message-ID: <352BCB53.5ED6@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I recall being able to do something cute with a shift register to control stepper motors--there may be a cheap and clever hardware solution--Zack W1VT

Date: Wed, 8 Apr 1998 15:09:17 EDT
From: RangerSF5 <RangerSF5@aol.com>

To: qrp-1@Lehigh.EDU
Subject: [7804] mail with download attached????
Message-ID: <2ad356aa.352bcb5f@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Is anyone else getting mail direct or on the board with an attached download??
The names are <vfc card.vfc>
The other one is called "empty bin"
Bob
WA2HOQ

Date: Wed, 8 Apr 1998 15:12:54 EDT
From: RangerSF5 <RangerSF5@aol.com>
To: forsale-swap@qth.net, Qrp-1@Lehigh.EDU
Subject: [7805] Hi power amp for 40 M
Message-ID: <f2e0ea1a.352bcc38@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Ramsey amp for 40 meters puts out an easy 20 watts no problem at all
\$ 45.00 plus mail
Bob
WA2HOQ

Date: Wed, 8 Apr 1998 12:02:10 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Zack Lau <zlau@arrl.org>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7806] Re: Information about Linear Stepper Motors
Message-ID: <Pine.LNX.3.96.980408120012.11481A-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 8 Apr 1998, Zack Lau wrote:

> I recall being able to do something cute with a shift register
> to control stepper motors--there may be a cheap and clever hardware
> solution--Zack W1VT

Indeed, this was a solution that I had used for one of my science fair projects. I forget the exact TTL LS number I used, but it was a 4-bit universal shift register with parallel loading capability.

Upon circuit start-up, I loaded the shift register with 0001. Then I used one of two shift commands (shift left, or shift right) to control the direction of the motor itself. The serial in and serial out pins were tied together, so that it basically became a ring counter.

Don't forget to hook the chip up to emitter or source followers; otherwise, you'll draw too much current through the chip, thus damaging it.

```
=====
KC5TJA/6      |                               -| TEAM DOLPHIN |-
DM13          |                               Samuel A. Falvo II
QRP-L #1447   |                               Chief Architect and Project Founder
=====
```

Date: Wed, 8 Apr 1998 11:10:10 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <dave_epps@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [7807] Re: morse-kybd
Message-ID: <01bd6319\$917666b0\$309f5ecf@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave --

That was my keyboard at the NorCal meeting. If memory serves, the original article was in December 1997 QST.

If you decide to build one, be forewarned that there is an error in the keying circuits as shown in the article and the FAR circuits PC board. I'll have to dig out my notes for the details.

Mike K1MG

>Saw the homebrew morse keyboard at the Norcal meeting Sunday and would
>like to build one, but can't find the article. I remember seeing it in

>the last few
>months.

Date: Wed, 08 Apr 1998 13:55:41 -0600
From: "Dr. Kenneth Cavcey" <cavcey@boulder.nist.gov>
To: qrp-1@Lehigh.EDU
Subject: [7808] Unrequested attached files
Message-ID: <3.0.2.32.19980408135541.007aae90@central.bldrdoc.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ref:vcard.vcf file by Dan_Tayloe to my Eurdora\Attach directory.

Hey fellas, I thought we agreed that we were not going jump on someones hard disk without permission. Attached files would better be sent directly to the party requesting them.

Flame away!!! Ken W0Y0R

Date: Wed, 8 Apr 1998 16:09:09 EDT
From: DENNIS MO <DENNISMO@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [7809] Re: mail with download attached????
Message-ID: <36c88259.352bd967@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: quoted-printable

In a message dated 4/8/98 11:11:45 AM PST, RangerSF5@aol.com writes:

>s anyone else getting mail direct or on the board with an attached downl= oad??
>The names are <vfc card.vfc>
>The other one is called "empty bin"
>Bob
>WA2HQQ

Bob - I received one today. I got a file named vcard.vfc I just thought= it=0Awas just a mistake but it probably something that is going around. =

cul -

73's es 72's de Denny / KF6NJQ /AE

Denny / KF6NJQ (Soon to be AD6_ _)

FISTS # 4570 / QRP-L # 1359

10-X # 69158

PROMISE KEEPER

HAMing It Up Everyday In Goleta, CA

Section: Santa Barbara

Long: 34.437 N Lat: 119.868 W=A0=A0=A0

Grid: DM04BK

WEB PAGE: <http://member.aol.com/dennismo>

Date: Wed, 8 Apr 1998 13:20:19 -0700

From: Conrad <radman@best.com>

To: "'mgipe@reliablemeters.com'" <mgipe@reliablemeters.com>, Low Power Amateur
Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [7810] RE: morse-kybd

Message-ID: <01BD62F1.14507720@radman.vip.best.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Mike,

I'm certain a number of us would be interested in your notes on this project!!
Could you summarize/post to the List?

Thanks in advance,

Conrad / nn6cw.

-----Original Message-----

From: Michael A. Gipe [SMTP:mgipe@reliablemeters.com]

Sent: Wednesday, April 08, 1998 11:10 AM

To: Low Power Amateur Radio Discussion

Subject: Re: morse-kybd

Dave --

That was my keyboard at the NorCal meeting. If memory serves, the original article was in December 1997 QST.

If you decide to build one, be forewarned that there is an error in the keying circuits as shown in the article and the FAR circuits PC board. I'll have to dig out my notes for the details.

Mike K1MG

>Saw the homebrew morse keyboard at the Norcal meeting Sunday and would
>like to build one, but can't find the article. I remember seeing it in
>the last few
>months.

Date: Wed, 8 Apr 1998 13:24:35 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: DENNIS MO <DENNISMO@aol.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7811] Re: mail with download attached????
Message-ID: <Pine.LNX.3.96.980408130831.16773A-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Bob - I received one today. I got a file named vcard.vfc I just thought it
> was just a mistake but it probably something that is going around.

This is another example of Microsoft pushing everyone around. You see, Bill Gates has this wild and crazy idea that *EVERYONE* in the known world would gladly accept .vfc files. These files are used by Microsoft Outlook (and compatible packages) to update their contact lists. Supposedly, you can turn them off, but since I do not use Outlook for e-mail purposes at work, I couldn't tell you how.

What's a royal shame is that Netscape decided to jump on this band wagon too, and now Communicator's e-mail program also distributes your "contact" information around as well.

Note that these packages do not take into consideration anyone using a

non-Microsoft or non-Netscape package. They just blindly download these stupid .vcf files to your computer, as if you wanted to receive them in the first place. And Microsoft and Netscape e-mail packages ALWAYS download these files to your computer silently, without your knowledge.

There are several solutions to this problem. Boycott Microsoft all-together (this is the route that I have taken over three years ago, and I highly encourage this, as it fosters more competition in the free market), or write letters and e-mail to Microsoft, whose contents contains unmistakable discontent with their products, regardless of whether or not you use them. Clearly, as you can see here, users of non-Microsoft products are affected in a negative way, simply because Microsoft did not have the foresight to realize the full impact of its decisions.

You can also optionally send e-mail to Netscape as well; however, I particularly target Microsoft because they were the company that came up with this whole cokamamie idea to begin with.

(KC5TJA gets off his soapbox now.... :))

All flames ignored.

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=====
      KC5TJA/6      |                      -| TEAM DOLPHIN |-
      DM13          |                      Samuel A. Falvo II
      QRP-L #1447   |                      Chief Architect and Project Founder
```

Date: Wed, 08 Apr 1998 17:10:18 -0400
From: Hank Kohl K8DD <k8dd@contesting.com>
To: RangerSF5@aol.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [7812] All about VCF files.....
Message-ID: <3.0.1.32.19980408171018.00cc71f8@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 03:09 PM 4/8/98 EDT, RangerSF5 wrote:

>Is anyone else getting mail direct or on the board with an attached download??

>The names are <vfc card.vfc>

>The other one is called "empty bin"

>Bob

>WA2HOQ

>

>

>

Did a little searching and came up with the following. Now I know what those 1K files (or smaller) are!

73 Hank K8DD

------(cut
here)-----

FAQ: I find vcf files attached to lots of messages. Why?

by Sam Azer
July 25th, 1997

Answer: They're Virtual Card Files - digital business cards.

Virtual Cards (vCards) and Virtual Calendars (vCalendars) are used to facilitate transfer of information between people using different software packages.

VCards are virtual business cards - you put information into them like your name, address, telephone number, email address, web site address, company logo, audio greeting, company motto - you get the idea. If the person who you sent your card to has vCard reader software on his system, he can just click on the vcf attachment in your message in order to add your contact information to his address book - he doesn't have to type anything!

vCalendars are used for group scheduling of appointments and adding special dates to calendars - again, through email or any other convenient mechanism. And, they're software independent like the vCard.

An introduction to the Internet Mail Consortium, vCards & vCalendars is available at: <http://www.imc.org/pdi/>

Information about the vCard standard is available from the Internet Mail Consortium. Unfortunately the software provided by the versit group is for demonstration purposes only and has bugs in it. They provide toolkits for developers who, presumably, will write more robust applications.

Note also that you can make your own vCard using NotePad - it's a very simple standard based on existing IETF standards. In any case, here's the link for the demo application you can use to make your own card:

<http://www.imc.org/pdi/vcwin32.zip>

You can download the vCard reader software for MS Outlook from the Microsoft site. The file is called MSVReadr.Exe. Note that you must go through a registration process if your browser doesn't have the required cookie.

Following is the link to the Software Development Kit for developers. It includes code in C++ for integrating vCard and vCalendar technology into any application:

<http://www.imc.org/pdi/sdkwinsr.zip>

A small book, 40 pages, that describes vCards in detail is available here:

<http://www.imc.org/pdi/vcard-21.doc>

Another small book for vCalendars is available here:

<http://www.imc.org/pdi/vcal-10.doc>

Frequently

Asked

Questions

Date: Wed, 08 Apr 1998 14:20:36 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: kc5tja@topaz.axisinternet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7813] Re: mail with download attached????
Message-ID: <352B87B4.2E8E9A6D@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Alas, there's nothing the receiver can do, as it's a mailer option.

Users of Netscape can turn this "feature" off by clicking edit, then identity, and unchecking the box that sends the card.

Sort of like rich text or html mail....the user has to select the right

options.

--

72/73, de Roger, N7KT - QRP-L #62 - Mesa, AZ

Date: Wed, 8 Apr 1998 14:31:24 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [7814] WARC Bands -- The Best Kept Secret
Message-ID: <199804082131.0AA13738@usr05.primenet.com>

Howdy Folks,

To all you newly upgraded General+ hams, don't forget to check out the WARC bands (30/17/12m). Others (NF3I, AB7MY, etc) have pointed out some of the nice DX you can find on 30m. The really nice things about these bands are:

- 1) Generally immune from contest QRM (if you need to escape for a friendly ragchew during CW SS - this is the place!)
- 2) Full access to the entire band for General hams! Unlike the "conventional" bands, General/Advanced hams can chat with those friendly DX ops, who normally operate too low on other bands for you to work. (But you *are* working on upgrading anyway, right? ;-)
- 3) Typically less congested, more friendly (IMHO). Perhaps it's just me, but I swear I hear "QRL?" more and encounter far fewer felony QRMers on the WARC bands. 17m gets great DX openings, but with much less crowding from the DX Hounds than you'd find on 20m.

30m is my favorite band, hands down. It's almost always open *somewhere*, either locally or DX. Plus I find it to be quieter (QRN-wise) than 40m, with strong DX paths like 20m

Most of my 38 QRP DXCC countries in the past year (no DX contests, just chatting) were worked on 30m. Early morning, evenings, and very late nights are my favorite times. From AZ, I usually get very nice late night openings across the Pacific, often into South America, and sometimes Europe.

As a trial exercise, hop onto 10.106 (or thereabouts) around 0600Z and see if you can find John (G4RCG) near Leeds, England. He's been on alot, and seems to be a friendly chap. JA's (Japan) are great ops and seem to hang out above 10.120 (though I've worked many lower, around 10.115+). ZL's (New Zealand) and VK's (Aussie) are common as well, at least out west here. Also heard often are Argentina/Brazil, Norway, Asiatic Russia, etc.

And of course your normal "local" US/Canadian friends come in quite well during the rest of the day.

So give it a shot! You won't regret it, I promise! And if you happen to hear me calling "CQ DX", feel free to give me a quick signal report, no matter where you are. :-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Wed, 08 Apr 1998 14:50:27 -0700
From: Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
To: qrp1 <qrp-1@Lehigh.EDU>
Subject: [7815] Vcard - Sorry!
Message-ID: <352BF123.F86017BA@email.mot.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry!

At work I just moved from ccmil to Netscape mail.

Ok... I knew about the HTML option and turned it off. After the last post, I now have the "vcard" option turned off as well.

You wouldn't think it could get so complicated just to send out a simple plain text ascii message!

- Dan Tayloe, N7VE, Phoenix, Az, Az ScQRPions, QRPL # 696

Date: Wed, 8 Apr 1998 15:54:52 -0600
From: "Ron Smith" <resmith@primenet.com>
To: "Low Power Amateur Radio Discussion" <grp-l@Lehigh.EDU>
Subject: [7816] Re: mail with download attached????
Message-ID: <003401bd6339\$0b681c60\$030000004@primenet.com.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>This is another example of Microsoft pushing everyone around. You see,
>Bill Gates has this wild and crazy idea that *EVERYONE* in the known world
>would gladly accept .vfc files. These files are used by Microsoft Outlook
>(and compatible packages) to update their contact lists. Supposedly, you
>can turn them off, but since I do not use Outlook for e-mail purposes at
>work, I couldn't tell you how.

I AM SICK TO DEATH OF MICROSOFT BASHING !!!!! If you don't like want the
SENDER is sending in his e-mail CONTACT THE SENDER !!!!! Every complaint I have
read is USER SELECTABLE and NOT normally an AUTOMATIC function of IE 4.0 OR
Outlook Express !!!!!

If you don't like what you are seeing DON'T READ IT !!!!!

Now, I'M sending this message to the list -- how many want to bash Microsoft
because I used Outlook Express to send it?

Ron Smith
Amateur Radio Callsign: KD7VD
Boise, Idaho - Grid DN15VN
E-mail: resmith@primenet.com
KnightLite: Sir Kinky Knight of the West
ARCI #9580.....NorCal#????.....QRP-L #1291
AK-QRP #352...AR-QRP #220...ARS #347
HI-ARP #34.....NW-QRP #???

Date: Wed, 8 Apr 1998 18:06:06 EDT
From: RangerSF5 <RangerSF5@aol.com>
To: grp-l@Lehigh.EDU
Subject: [7817] Blew a fuse??

Message-ID: <7ddf2cc.352bf4d0@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hey Ron,
Cool down.
All I did was ask if anyone else was getting the same thing I was.
Bob
WA2HOQ

Date: Wed, 8 Apr 1998 15:03:41 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Ron Smith <resmith@primenet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7818] Re: mail with download attached????
Message-ID: <Pine.LNX.3.96.980408145117.24939A-1000000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> I AM SICK TO DEATH OF MICROSOFT BASHING !!!!! If you don't like want the
> SENDER is sending in his e-mail CONTACT THE SENDER !!!! Every complaint I have
> read is USER SELECTABLE and NOT normally an AUTOMATIC function of IE 4.0 OR
> Outlook Express !!!!

I'm not talking about Outlook Express -- I'm talking about OUTLOOK itself.
Different software package. Furthermore, most things which are user
selectable in other e-mail clients ****ARE**** ****NOT**** user-settable in
Outlook 97. I'm sorry -- they just aren't. If I were to use Outlook for
e-mail, I am literally FORCED to use a 10 minute mail poll delay. I'm
literally FORCED to use Outlook 97's style of mail quoting, instead of the
more accepted ">" method of quoting. Do you want me to continue? I have
a whole list of grievances.

And please tone it down. I don't subscribe to this list to be yelled at.
I made mention that the use of .vcf files is made popular by Microsoft
because Microsoft thought it was a good idea ON OUR BEHALF, without
offering ME, the user, a choice. It is for this reason, and a whole bunch
of other reasons, that I don't use Outlook 9x for my e-mail client. I use
PINE, instead, which offers me ***FULL*** control over ***ALL*** e-mail options
possible under POP3 and SMTP standards.

> If you don't like what you are seeing DON'T READ IT !!!!

Wrong. The point I'm trying to make is that I have ******NO CHOICE****** in

the reception of .VCF files if I use a Microsoft product. I like reading QRP-L messages. I do not like the .VCF files attached to the messages. There's a conflict of interest here. I stand firm on my prior assertion.

I also stand corrected that Netscape Communicator has a check-box which allows the user to turn off the .VCF file information. This is good -- it gives the user a choice.

> Now, I'M sending this message to the list -- how many want to bash Microsoft
> because I used Outlook Express to send it?

I'm not bashing you. I'm not bashing Outlook Express. I happen to LIKE Outlook Express -- it's simple to use, it's relatively quick, and has a decent set of features that makes it well suited to both text-only and HTML-marked up mail.

Outlook 97/98, however, is quite a different matter. Furthermore, if Microsoft actually LISTENED to their customers, they'd be producing software which actually works, uses less memory, runs faster, and does more, and all the MS bashing would go away. Statistically speaking, over 80% of Microsoft customers are UNHAPPY with Microsoft for this very reason. I'm one of them. Do you have a problem with this?

Further discussion of this should go via private e-mail, due to its off-topic nature.

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      DM13         |      Samuel A. Falvo II
      QRP-L #1447  |      Chief Architect and Project Founder
=====
```

Date: Wed, 8 Apr 1998 15:24:20 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <radman@best.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [7819] Re: morse-kybd
Message-ID: <01bd633d\$132bbbb0\$309f5ecf@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In response to several requests for a review of the morse keyboard project from December 1997 QST, I am copying some notes I previously sent to a list member.

Mike K1MG

It is dangerous to ask an engineer to review a product or design. He's likely to tell you how he would have done it right, but I'll try.

I purchased the programmed IC from the author, and the circuit board from FAR circuits. I built it into a metal enclosure that I got from Fry's. I modified it slightly, moving the LEDs to the front panel, and deleting the circuits for sidetone, negative keying, and relay keying. I also found a very nice mini keyboard for \$20 at Fry's that is only a foot wide and has a single IC encoder which draws only a few mA (a QRP keyboard!). This allowed me to run the keyer and keyboard off of a nine volt battery. Older keyboards would draw down the battery in an hour or two. Someday, I may try to rebuild the keyer circuit right into the keyboard package.

It worked right off, except for one problem. The author built the keyer to work with his older tube transceiver, and used a reed relay to key it, avoiding the problem of grid block keying voltages. He added transistor switches to the circuit for use with solid state rigs with low voltage positive keying, and for negative polarity keying. However, it's clear that he didn't test these additions fully, because they don't work. The uP output he uses to drive these transistors does not have enough poop to turn them on. In addition, the negative circuit references the keyed output to the internal 5 volt regulator, not ground, which may cause problems, depending on the transmitter in use. I didn't care about the negative circuit, but was planning on using the positive transistor keying circuit. I was able to fix it with a simple 3K pull-up, so that it will now key any of the rigs that I own. I'll send the details if you decide to build one.

It works as advertised now. I checked the timing with a digital scope, and it produces perfect waveforms at about the right speed. I have a few contradictory references for calculating code element timing based on wpm, so I'm not sure if it is exactly correct. It is certainly within a few percent -- much better than my Kenwood internal keyer, whose speed display is way off.

Though I haven't done a thorough scan for RFI, I have not found any spurs in normal operating. If I had done the design (engineer speaking), I would not have used a 4MHz clock for the uP, but it doesn't seem to be a problem. Putting it into a well sealed metal enclosure and running it off an internal battery helps. The only external connections are direct to the panel, so they don't pick up too much internal radiation.

I did however, encounter a different RFI problem. My Kenwood has two connectors, one for a paddle and one for a straight key. Normally, I keep a

straight key plugged into the appropriate jack, but I replaced it with the keyboard keyer, and have been operating that way since I built the keyer. Mostly, I still use a paddle. Now I must digress. I have a KLM tribander yagi that periodically needs a blast of QRO RF to burn off the oxidation at the tubing connections. QRP doesn't keep the corrosion away, so I occasionally turn the rig to 100 watts and key down for a minute or two. Since I recently did some antenna work (the FoxCatcher(tm)), I wanted to record any changes to the SWR on the beam, so I blasted it first. The transmitter latched on key down! After much head scratching, I discovered that the keyboard keyer, even if not powered on, picked up sufficient RF to cause a latchup in the keying circuit (don't know which end). So, I will have to do a little reverse RFI protection in order to use higher power with the keyer.

So, how does it work? Keys crisply, cleanly, with good timing. Operation is pretty simple. Hit F9 and two numbers to set the speed (very handy). It has two memory buffers which appear to use one block of RAM which is about 25 characters deep. Thus, you are limited to a total of 25 characters divided between the two stored messages. F5 clears the whole memory (both messages) and sets up to record memory #1. F6 records memory #2. F1 and F2 play back the messages, respectively. Certain keys are reassigned to avoid using the shift key. For example, the character '?' is sent with the unshifted '/' key. This is handy but counter to your touch typing training. The internal type-ahead buffer is only 12 characters, which is too small for normal use. You need to keep your eye on the "buffer nearly full" LED to avoid overrunning the buffer.

Having never used a keyboard for generating CW before, even with a PC, I find it very hard to get used to. Typing ahead and hearing what you typed a word or two ago is very distracting. It might be better if I could see the characters as I type them on a PC monitor, but I have never tried this, so I don't know. The paddle is still my preferred tool, and I can do OK up to about 50 wpm with the WBL or Schurr, so I haven't outrun my sending yet! Now that I've gotten a copy of TRLog, I suppose that I will need to put a computer in the shack, and may try using a PC to key the rig. The keyboard keyer, built as I did with a battery, will be very nice for portable contesting, however. I will probably end up using it more and more as I get practice.

Didn't cost much. Quick and easy to build. Worth the experiment. Even if I never use it much it has been fun to try.

72,

Date: Wed, 08 Apr 1998 22:27:04 +0000
From: Walt Amos <waltk8cv@ameritech.net>
To: Qrp-l List <qrp-l@Lehigh.EDU>
Subject: [7820] CHEAP soldering station.....
Message-ID: <352BEBA8.93E9856C@ameritech.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang.....YOH

In preparation for the great K-2 climb.....

I needed something better than my old WELLER 40w soldering iron whose tip got way too hot! Rummaged around and found an plastic inside the wall outlet box, a cardboard covered light dimmer control that I bought at a swap to tame muffin fan speed and a two plug outlet and cover! Used a 2' power cord with one side going right to the outlet plug and put one wire from the cardboard covered dimmer switch to the other wire of the cord and the other wire from the cardboard covered dimmer switch to the other side of the outlet plug. I had drilled a hole (3/8) in the side of the plastic box 1" above the bottom and in the middle of the wide side and put double sided sticky tape on the cardboard covered dimmer switch and stuck it on the inside of the box with the control coming out and put a knob on that. Taped everything up and stuffed it into the little blue wall box and put the cover over the outlet and VOLA ! Temperature control for my little pencil iron! All the way down and the tip just melts solder, half way and it is ready for most jobs and now all the way on and you can do heavy duty jobs. Done soldering for a while? Turn it down and the TIP will not burn up! Works great and for me all the parts came from the JUNK BOX :-) Still would like to get a new heating element for my Weller soldering station but not at \$70 bucks! It was great while it worked! Im now ready for the NORTH FACE OF IGER er K-2 :-)

Walt k8cv melt solder..... hummmm sound familiar!

Date: Wed, 8 Apr 1998 16:46:29 -0600
From: "Steve Hurst" <shurst@magiclink.com>
To: <mgipe@reliablemeters.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [7821] Re: pin mod?
Message-ID: <199804082241.SAA83968@nss4.cc.Lehigh.EDU>

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> Yes, I did publish a PIN diode mod that helps to reduce NE602 overload
> during transmit with the 5 watt output on the NorCal 38 Special.

-----SNIP (went the scissors making my dog an "It")-----

Mike and gang,

I have several mods from the list in my 38S file. If I knew the title, I may be able to find it for you. I also printed out a ton of that stuff when it was flying around on the list, will check for that one. Oh and by the way, nice to be back on QRP-L. I've been " outta da loop" for several months ! If you are new to the list , or have'nt checked it out in awhile, stop by my web site for a looksee. Plenty of new (crazy ?) things to be found and more on its way ! (hint: look for the "BA" page !!!) Take care all, and happy whatever is going on.....

73,
Steve Hurst
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End of QRP-L Digest 1054
